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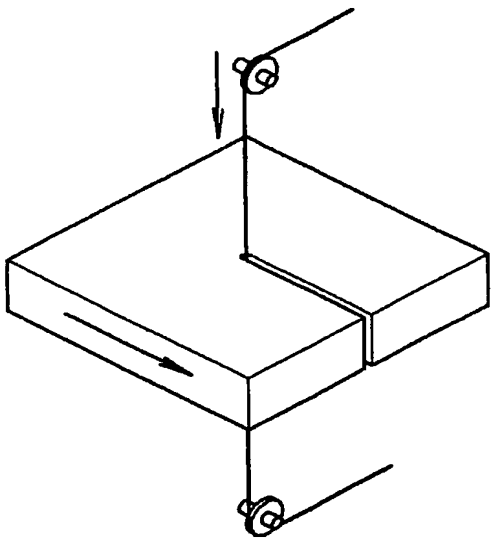
(54) Title: METHOD OF MANUFACTURING ZINC-COATED ELECTRODE WIRE FOR ELECTRIC DISCHARGE PROCESSORS USING HOT DIP GALVANIZING PROCESS



(57) Abstract: Disclosed is a method of manufacturing a zinc-coated electrode wire for electro discharge machining using a hot dip galvanizing process. The method includes firstly surface-forming a wire (1) in such a way that its terminal end is tapered while the wire is drawn through a first die at step 10, pre-coating zinc around the firstly processed wire in a molten zinc bath (2) at step 20, main-coating the pre-coated wire with zinc (3) using a sizing die before zinc pre-coated on the wire is hardened at step 30, secondly surface-forming the main-coated wire in such a way that zinc coated around the wire has a uniform thickness using a second die having a smaller diameter than the wire at step 40, heat-treating the secondly surface-processed wire at step 50, and drawing the heat-treated wire using a third die (5) made of natural diamond at step 60.

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